

Contents of Volume 135

Effects of surfactants on particle adhesion. II. Interactions of monodispersed colloidal hematite with glass beads in the presence of 1-dodecylpyridinium chloride A. Zelenev, V. Privman and E. Matijević (Potsdam, NY, USA)	1
Estimation of coal hydrophilicity by flow microcalorimetry N. Wang, M. Sasaki, T. Yoshida and T. Kotanigawa (Sapporo, Japan)	11
Interfacial activity of dipentyl pyridinedicarboxylates at the hydrocarbon/water interface K. Prochaska, M.B. Bogacki, A. Jakubiak and J. Szymanowski (Poznań, Poland)	19
The effect of capillary characteristics on the results of dynamic surface tension measurements using the maximum bubble pressure method S.V. Lylyk (Donetsk, Ukraine), A.V. Makievski (Donetsk, Ukraine/Berlin, Germany), V.I. Koval'chuk (Kiev, Ukraine), K.-H. Schano (Berlin, Germany), V.B. Fainerman (Donetsk, Ukraine) and R. Miller (Berlin, Germany)	27
The role of the oxide precursor on the features of sulphated zirconia S. Ardizzone, C.L. Bianchi and E. Grassi (Milan, Italy)	41
A new method for following the kinetics of the hydrolysis and condensation of silanes R. Lindberg, G. Sundholm (Espoo, Finland), G. Øye and J. Sjöblom (Bergen, Norway)	53
Competitive adsorption of cationic surfactant and pesticide on laponite K. Esumi, Y. Takeda (Tokyo, Japan) and Y. Koide (Kumamoto, Japan)	59
Poly(ethylene oxide) adsorption onto chemically etched silicates by Brewster angle reflectivity Z. Fu and M.M. Santore (Bethlehem, PA, USA)	63
The effect of electrostatic repulsive forces on the stability of BaTiO ₃ particles suspended in non-aqueous media U. Paik (Kyungnam, South Korea), V.A. Hackley (Gaithersburg, MD, USA), S.-C. Choi and Y.-G. Jung (Seoul, South Korea)	77
Effect of passivation and dry heat-sterilization on surface energy and topography of unalloyed titanium implants D.V. Kilpadi (Birmingham, AL, USA), J.J. Weimer (Huntsville, AL, USA) and J.E. Lemons (Birmingham, AL, USA)	89
Inclusion complexation of Triton X-100 with α -, β - and γ -cyclodextrins Y. Saito (Chiba, Japan), H. Ueda (Tokyo, Japan), M. Abe, T. Sato (Chiba, Japan) and S.D. Christian (Norman, OK, USA)	103
Electrical double layer potential distribution in a rectangular microchannel G.M. Mala, C. Yang and D. Li (Edmonton, AB, Canada)	109
Mixed micellar properties of a cationic gemini surfactant and a nonionic surfactant K. Esumi, M. Miyazaki, T. Arai (Tokyo, Japan) and Y. Koide (Kumamoto, Japan)	117
Influence of surface charge and particle size on the stabilization of colloidal particles by model polyelectrolytes H.W. Walker (Columbus, OH, USA) and S.B. Grant (Irvine, CA, USA)	123
Adsorption of aerosol OT on alumina from mixtures of water and cyclohexane M. Gojono, K. Esumi and M. Tagawa (Tokyo, Japan)	135
Structure control of polyelectrolyte-lipid complexes by variation of charge density and addition of cholesterol M. Antonietti and A. Wenzel (Teltow-Seehof, Germany)	141
Langmuir monolayers of polyphenylene carboxylic acids J. Czapkiewicz, P. Dynarowicz-tątko, G. Janicka and P. Milart (Kraków, Poland)	149

Investigation on the conductivity and microstructure of AOT/non-ionic surfactants/water/ <i>n</i> -heptane mixed reverse micelles D. Liu, J. Ma, H. Cheng and Z. Zhao (Beijing, People's Republic of China)	157
Protamine-induced adsorption of sodium pyrene-3-sulphonate (NaPyS) on the lipid monolayers Z. Kozarac (Zagreb, Croatia) and D. Möbius (Göttingen, Germany)	165
Temperature dependence of critical micelle concentration of polyoxyethylenated non-ionic surfactants L.-J. Chen, S.-Y. Lin, C.-C. Huang and E.-M. Chen (Taiwan, Republic of China)	175
Flocculation of haematite in synthetic Bayer liquors F. Jones (Perth, WA, Australia), J.B. Farrow (Bentley, WA, Australia) and W. van Bronswijk (Perth, WA, Australia)	183
Colloid generation during batch leaching tests: mechanics of disaggregation J. Bergendahl and D. Grasso (Storrs, CT, USA)	193
Synthesis of uniform particles of CdS, ZnS, PbS and CuS from concentrated solutions of the metal chelates T. Sugimoto, S. Chen and A. Muramatsu (Sendai, Japan)	207
Estimation of hydroxyoxime distribution in solvent extraction systems W. Apostoluk (Wrocław, Poland) and J. Szymanowski (Poznań, Poland)	227
Micellar incorporation without solubilizing effect. A study on the system water–phenol–decanoyl- <i>N</i> -methylglucamide H. Lippold, M. Findeisen, K. Quitzsch and M. Helmstedt (Leipzig, Germany)	235
Non-ionic surfactant adsorption on lead fluoride under dynamic steady-state conditions N. Stubičar, M. Stubičar and K. Zadro (Zagreb, Croatia)	245
Peculiarities of steam-phase hydrothermal modification of pyrogenic silicium dioxide R. Lebeda (Lublin, Poland), V.A. Tertykh, V.V. Sidorchuk (Kiev, Ukraine) and J. Skubiszewska-Ziba (Lublin, Poland)	253
Evaluation of surface area of carbon component of model carbon–silica adsorbents from adsorption data of <i>p</i> -nitrophenol from aqueous solutions R. Lebeda and B. Charnas (Lublin, Poland)	267
Neutron reflectivity studies of Aerosol-OT monolayers adsorbed at the oil/water, air/water and hydrophobic solid/water interfaces Z.X. Li, J.R. Lu, G. Fragneto, R.K. Thomas (Oxford, UK), B.P. Binks, P.D.I. Fletcher (Hull, UK) and J. Penfold (Didcot, UK)	277
Combined effects of shear and flow improvers: the optimum solution for handling waxy crudes below pour point I.M. El-Gamal (Cairo, Egypt)	283
Synthesis of monodisperse polymer particles with chloromethyl functionality J. Sarobe and J. Forcada (San Sebastián, Spain)	293
Author Index	299
Subject Index	301
Volume contents	303